

Scanned 9/23/2019 5N  
Data entry 9/23/2019 5N  
DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: 80307 MACROPHYTE ID: 11490 LATITUDE: 30.58  
 COUNTY: Leon STORET #: 22030054 LONGITUDE: -83.9883  
 DATE: 8/20/2019 TIME: 1230 SAMPLING AGENCY: FDEP/AEQA  
 SITE NAME: Lake Miccosukee WBID: 791N  
 FIELD ID/NAME: MICCREP LAKE SIZE: \_\_\_\_\_ RQ: 2019-08-19-34

WATERSHED / LAKESIDE FEATURES

|                                                                                                                                                                                                                                                                                     |  |                                                                                                                             |  |  |                                                                                                                      |  |  |                                                                                                                          |  |  |                                                                                                                                |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------|--|--|----------------------------------------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------------------------------------------------|--|--|
| <b>PREDOMINANT LAND-USE IN WATERSHED</b> (specify relative percent in each category - from GIS):<br>Forest/Natural <u>30</u> Silviculture <u>30</u> Field/Pasture <u>10</u> Agricultural <u>10</u> Residential <u>15</u> Commercial <u>5</u> Industrial _____ Other (Specify) _____ |  |                                                                                                                             |  |  | <b>LANDSCAPE DEVELOPMENT INTENSITY</b> (100 m buffer)<br>LDI: <u>Not available</u><br>Land Use Source & Year: _____  |  |  |                                                                                                                          |  |  |                                                                                                                                |  |  |
| Local Watershed Erosion (select one): <input type="checkbox"/> None <input type="checkbox"/> Slight <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Heavy<br>Artificially Impounded <input type="checkbox"/> Yes <input type="checkbox"/> No                  |  |                                                                                                                             |  |  |                                                                                                                      |  |  |                                                                                                                          |  |  |                                                                                                                                |  |  |
| Local Watershed NPS Pollution: <input type="checkbox"/> No evidence <input type="checkbox"/> Slight <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Heavy                                                                                                     |  |                                                                                                                             |  |  |                                                                                                                      |  |  |                                                                                                                          |  |  |                                                                                                                                |  |  |
| <b>STORMWATER INPUTS</b><br><u>13</u>                                                                                                                                                                                                                                               |  | Stormwater enters system via sheet flow over non-cultivated and/or natural vegetation<br>20 19 18 17 16                     |  |  | Some direct stormwater inputs (ditches, pipes, cultivated vegetation < 10%) but good BMPs in place<br>15 14 13 12 11 |  |  | Moderate direct inputs of stormwater (ditches, pipes, cultivated vegetation 11%-50%) but few BMPs in place<br>10 9 8 7 6 |  |  | Much direct input of stormwater (ditches, pipes, cultivated vegetation > 51%) and no or ineffective BMPs in place<br>5 4 3 2 1 |  |  |
| <b>LAKESIDE ALTERATIONS</b><br><u>15</u>                                                                                                                                                                                                                                            |  | Very few man-made structures, roads, or other disturbance adjacent to lake (<10% lakeside affected)<br>20 19 18 17 16       |  |  | Moderate disturbance visible - structures, roads or other (10%-49% lakeside affected)<br>15 14 13 12 11              |  |  | Many structures, roads or other human disturbance visible (50%-70% lakeside affected)<br>10 9 8 7 6                      |  |  | Highly developed or disturbed (>70% of lakeside affected)<br>5 4 3 2 1                                                         |  |  |
| <b>BUFFER ZONE</b><br><u>14</u>                                                                                                                                                                                                                                                     |  | Expected native vegetation between uplands and littoral zone, greater than 90% of shore with >18 m buffer<br>20 19 18 17 16 |  |  | 89%-51% of shoreline with >18m buffer or >75% with 10m to 18m buffer<br>15 14 13 12 11                               |  |  | 50%-30% of shoreline with >18m buffer or 50%-74% with 10m to 18m buffer<br>10 9 8 7 6                                    |  |  | < 29% of shoreline with >18m buffer<br>5 4 3 2 1                                                                               |  |  |

WATER / SUBSTRATE / BIOLOGICAL: SAMPLES AND OBSERVATIONS

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |                               |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|-------------------------------|--|--|--|
| <b>Water:</b><br>Nutrient Sample Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Preserved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No pH < 2 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Color Sample Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Lot # <u>101232</u> Exp. Date: <u>10/13/19</u><br>Alkalinity Sample Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Water Level <input type="checkbox"/> Low <input checked="" type="checkbox"/> Normal <input type="checkbox"/> High |  |  |  |  |  |  |  | <b>Water Odors:</b> <input checked="" type="checkbox"/> Normal<br><input type="checkbox"/> Sewage <input type="checkbox"/> Petroleum <input type="checkbox"/> Other _____<br><b>Water Surface Oils:</b> <input checked="" type="checkbox"/> None<br><input type="checkbox"/> Sheen/Slick <input type="checkbox"/> Glob <input type="checkbox"/> Other _____                                                                                                                                                                                                                                                     |  |  |  |                               |  |  |  |
| <b>Meter Readings:</b><br>Depth (M) Temp. (°C) pH (SU) D.O. (MG/L) D.O. Sat. (%) Cond. (UMHO/CM) Salinity (PPT)<br>Top: <u>0.1</u> <u>29.5</u> <u>6.48</u> <u>7.06</u> <u>93.4</u> <u>28.7</u><br>Mid-Depth: _____<br>Bottom: _____<br>Meter ID: <u>154185</u>                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  | <b>Clarity:</b> <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Opaque <input type="checkbox"/> Turbid <input type="checkbox"/> Slightly Turbid<br><b>Color:</b> <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Tannic <input type="checkbox"/> Green<br>SECCHI (M) <u>1.1</u> Total Station Depth (M) <u>1.25</u><br>VOB <input type="checkbox"/>                                                                                                                                                                                                                       |  |  |  |                               |  |  |  |
| <b>Sediment Type:</b> (may check more than one)<br><input type="checkbox"/> Sandy <input checked="" type="checkbox"/> Organic fibrous (peaty, CPOM) <input checked="" type="checkbox"/> Vegetated<br><input type="checkbox"/> Sand/Silt <input type="checkbox"/> Organic smooth (muck) <input type="checkbox"/> Other (Specify): _____<br>Sample Taken? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                                                          |  |  |  |  |  |  |  | <b>Sediment Odors:</b> <u>no sediment sampling</u><br><input type="checkbox"/> Normal <input type="checkbox"/> Other (Specify): _____<br><input type="checkbox"/> Anaerobic                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |                               |  |  |  |
| <b>Biological Communities:</b><br>LVI Conducted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Phytoplankton Sample Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Sample Preserved? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>Lot #: _____ Exp Date: _____<br>Algal Bloom/Algal ID Sample Taken? Yes <input checked="" type="checkbox"/> No<br>Active Vegetation Mgmt? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know                                                                 |  |  |  |  |  |  |  | <b>Abundance:</b><br>Absent Rare Common Abundant<br>Periphyton <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/><br>Nuisance Plants <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/><br>Submersed Plants <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/><br>Exotic Apple Snails <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/><br><u>not observed</u> |  |  |  |                               |  |  |  |
| <b>Weather Conditions:</b> <u>hot</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |                               |  |  |  |
| <b>SAMPLING TEAM:</b> <u>Ashey O'Neal, Sarah Noble, Derek Fussell (FWC boat driver)</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  | <b>SIGNATURE:</b> <u>Ashey O'Neal</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  | <b>DATE:</b> <u>8/20/2019</u> |  |  |  |

## DEP FORM FD 9000-27 LAKE VEGETATION INDEX FIELD SHEET

| Waterbody: <u>Lake Miccosukee</u>                                                                                                                                                                                                                                                                                       |   | County: <u>Jefferson</u>   |   | Date: <u>8/20/2014</u>                                                              |                |                                                                |   |   |   |    |                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------------------------|---|-------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------|---|---|---|----|----------------|
| Analyst: <u>A. Oneal, S. Noble</u>                                                                                                                                                                                                                                                                                      |   | Signature: <u>A. Oneal</u> |   | STORET: <u>22030054</u>                                                             |                |                                                                |   |   |   |    |                |
| Except where noted as "sp." species level identification required. *Genera that may require lab verification*<br>Plants in bold = FLEPPC invasive exotic.<br>It is important to note dominant or co-dominant taxa (by areal extent) for each unit. Use "D" to denote dominant taxon, or "C" for the 2 co-dominant taxa. |   |                            |   | Lake units sampled (circle one group):<br>1, 4, 7, 10    2, 5, 8, 11<br>3, 6, 9, 12 |                |                                                                |   |   |   |    |                |
| SPECIES                                                                                                                                                                                                                                                                                                                 | 2 | 5                          | 8 | 11                                                                                  | Collected? (✓) | SPECIES                                                        | 2 | 5 | 8 | 11 | Collected? (✓) |
| <i>Acer rubrum</i>                                                                                                                                                                                                                                                                                                      |   |                            |   |                                                                                     |                | <i>Habenaria repens</i>                                        |   |   |   |    |                |
| <b><i>Alternanthera philoxeroides</i></b>                                                                                                                                                                                                                                                                               |   |                            |   |                                                                                     |                | <b><i>Hydrilla verticillata</i></b>                            |   |   |   |    |                |
| <i>Andropogon</i> sp.                                                                                                                                                                                                                                                                                                   |   |                            |   |                                                                                     |                | <i>Hydrocotyle</i> sp. <u>umbellata</u>                        |   |   |   |    | ✓              |
| <i>Azolla filiculoides</i> (A. caroliniana)                                                                                                                                                                                                                                                                             |   |                            |   |                                                                                     |                | <b><i>Hygrophila polysperma</i></b>                            |   |   |   |    |                |
| <i>Baccharis</i> sp.                                                                                                                                                                                                                                                                                                    |   |                            |   |                                                                                     |                | * <i>Hypericum fasciculatum</i>                                |   |   |   |    |                |
| <i>Bacopa caroliniana</i>                                                                                                                                                                                                                                                                                               |   |                            |   |                                                                                     |                | * <i>Hypericum hypericoides</i>                                |   |   |   |    |                |
| <i>Bacopa monnieri</i>                                                                                                                                                                                                                                                                                                  |   |                            |   |                                                                                     |                | * <i>Hypericum myrtifolium</i>                                 |   |   |   |    |                |
| <i>Bidens laevis</i>                                                                                                                                                                                                                                                                                                    |   |                            |   |                                                                                     |                | <i>Ilex cassine</i>                                            |   |   |   |    |                |
| <i>Bidens mitis</i>                                                                                                                                                                                                                                                                                                     |   |                            |   |                                                                                     |                | <b><i>Ipomoea aquatica</i></b>                                 |   |   |   |    |                |
| <i>Blechnum serrulatum</i>                                                                                                                                                                                                                                                                                              |   |                            |   |                                                                                     |                | <i>Ipomoea sagittata</i>                                       |   |   |   |    |                |
| <i>Boehmeria cylindrica</i>                                                                                                                                                                                                                                                                                             |   |                            |   |                                                                                     |                | <i>Itea virginica</i>                                          |   |   |   |    |                |
| <i>Brasenia schreberi</i>                                                                                                                                                                                                                                                                                               |   |                            |   |                                                                                     |                | <i>Juncus effusus</i>                                          |   |   |   |    |                |
| <i>Cabomba caroliniana</i>                                                                                                                                                                                                                                                                                              |   |                            |   |                                                                                     |                | * <i>Juncus marginatus</i>                                     |   |   |   |    |                |
| <b><i>Casuarina equisetifolia</i></b>                                                                                                                                                                                                                                                                                   |   |                            |   |                                                                                     |                | * <i>Juncus megacephalus</i>                                   |   |   |   |    |                |
| <i>Centella asiatica</i>                                                                                                                                                                                                                                                                                                |   |                            |   |                                                                                     |                | <i>Juncus repens</i>                                           |   |   |   |    |                |
| <i>Cephalanthus occidentalis</i>                                                                                                                                                                                                                                                                                        |   |                            |   |                                                                                     |                | * <i>Juncus scirpoides</i>                                     |   |   |   |    |                |
| <i>Ceratophyllum demersum</i>                                                                                                                                                                                                                                                                                           |   |                            |   |                                                                                     |                | <i>Lachnanthes caroliniana</i>                                 |   |   |   |    |                |
| <i>Chara</i> sp.                                                                                                                                                                                                                                                                                                        |   |                            |   |                                                                                     |                | <i>Leersia hexandra</i>                                        |   |   |   |    |                |
| <i>Cladium jamaicense</i>                                                                                                                                                                                                                                                                                               |   |                            |   |                                                                                     |                | <b><i>Landoltia punctata</i></b> ( <i>Spirodela punctata</i> ) |   |   |   |    |                |
| <i>Cliftonia monophylla</i>                                                                                                                                                                                                                                                                                             |   |                            |   |                                                                                     |                | <i>Lemna</i> sp.                                               |   |   |   |    |                |
| <b><i>Colocasia esculenta</i></b>                                                                                                                                                                                                                                                                                       |   |                            |   |                                                                                     |                | <i>Leucothoe racemosa</i> ( <i>Eubotrys racemosa</i> )         |   |   |   |    |                |
| * <i>Commelina</i>                                                                                                                                                                                                                                                                                                      |   |                            |   |                                                                                     |                | <i>Limnium spongiosa</i>                                       |   |   |   |    |                |
| <i>Crinum americanum</i>                                                                                                                                                                                                                                                                                                |   |                            |   |                                                                                     |                | <b><i>Limnophila sessiliflora</i></b>                          |   |   |   |    |                |
| * <i>Cyperus alternifolius</i> (C. involucratus)                                                                                                                                                                                                                                                                        |   |                            |   |                                                                                     |                | <i>Liquidambar styraciflua</i>                                 |   |   |   |    |                |
| <i>Cyperus articulatus</i>                                                                                                                                                                                                                                                                                              |   |                            |   |                                                                                     |                | * <i>Ludwigia arcuata</i>                                      |   |   |   |    |                |
| <i>Cyperus haspan</i>                                                                                                                                                                                                                                                                                                   |   |                            |   |                                                                                     |                | * <i>Ludwigia leptocarpa</i>                                   |   |   |   |    |                |
| * <i>Cyperus lecontei</i>                                                                                                                                                                                                                                                                                               |   |                            |   |                                                                                     |                | * <i>Ludwigia linearis</i>                                     |   |   |   |    |                |
| * <i>Cyperus polystachyos</i>                                                                                                                                                                                                                                                                                           |   |                            |   |                                                                                     |                | * <i>Ludwigia octovalvis</i>                                   |   |   |   |    |                |
| * <i>Cyperus odoratus</i>                                                                                                                                                                                                                                                                                               |   |                            |   |                                                                                     |                | * <i>Ludwigia peruviana</i>                                    |   |   |   |    |                |
| * <i>Cyperus surinamensis</i>                                                                                                                                                                                                                                                                                           |   |                            |   |                                                                                     |                | * <i>Ludwigia repens</i>                                       |   |   |   |    |                |
| <i>Cyrtia racemiflora</i>                                                                                                                                                                                                                                                                                               |   |                            |   |                                                                                     |                | * <i>Ludwigia</i> <u>leptocarpa</u>                            |   |   |   |    |                |
| <i>Decodon verticillatus</i>                                                                                                                                                                                                                                                                                            |   |                            |   |                                                                                     |                | * <i>Luziola fluitans</i> ( <i>Hydrochloa carolinensis</i> )   |   |   |   |    | ✓              |
| <i>Diodia virginiana</i>                                                                                                                                                                                                                                                                                                |   |                            |   |                                                                                     |                | <i>Lyonia lucida</i>                                           |   |   |   |    |                |
| * <i>Echinochloa crus-galli</i>                                                                                                                                                                                                                                                                                         |   |                            |   |                                                                                     |                | <i>Magnolia virginiana</i>                                     |   |   |   |    |                |
| * <i>Echinochloa muricatum</i>                                                                                                                                                                                                                                                                                          |   |                            |   |                                                                                     |                | <i>Mayaca fluviatilis</i>                                      |   |   |   |    |                |
| <i>Echinochloa walteri</i>                                                                                                                                                                                                                                                                                              |   |                            |   |                                                                                     |                | <b><i>Melaleuca quinquenervia</i></b>                          |   |   |   |    |                |
| <i>Eclipta prostrata</i> (E. alba)                                                                                                                                                                                                                                                                                      |   |                            |   |                                                                                     |                | <i>Micranthemum glomeratum</i>                                 |   |   |   |    |                |
| <b><i>Egeria densa</i></b>                                                                                                                                                                                                                                                                                              |   |                            |   |                                                                                     |                | <i>Micranthemum umbrosum</i>                                   |   |   |   |    |                |
| <b><i>Eichhornia crassipes</i></b>                                                                                                                                                                                                                                                                                      |   |                            |   |                                                                                     |                | <i>Mikania scandens</i>                                        |   |   |   |    |                |
| * <i>Eleocharis baldwinii</i>                                                                                                                                                                                                                                                                                           |   |                            |   |                                                                                     |                | <b><i>Mimosa pigra</i></b>                                     |   |   |   |    |                |
| * <i>Eleocharis</i> <u>sub. Virg.</u>                                                                                                                                                                                                                                                                                   |   |                            |   |                                                                                     |                | <i>Myrica cerifera</i>                                         |   |   |   |    |                |
| <i>Eleocharis cellulosa</i>                                                                                                                                                                                                                                                                                             |   |                            |   |                                                                                     |                | <u><i>Erechtites hieracifolia</i></u>                          |   |   |   |    |                |
| <i>Eleocharis equisetoides</i>                                                                                                                                                                                                                                                                                          |   |                            |   |                                                                                     |                |                                                                |   |   |   |    |                |
| <i>Eleocharis interstincta</i>                                                                                                                                                                                                                                                                                          |   |                            |   |                                                                                     |                |                                                                |   |   |   |    |                |
| * <i>Eriocaulon compressum</i>                                                                                                                                                                                                                                                                                          |   |                            |   |                                                                                     |                |                                                                |   |   |   |    |                |
| * <i>Eriocaulon decangulare</i>                                                                                                                                                                                                                                                                                         |   |                            |   |                                                                                     |                |                                                                |   |   |   |    |                |
| <i>Eupatorium capillifolium</i>                                                                                                                                                                                                                                                                                         |   |                            |   |                                                                                     |                |                                                                |   |   |   |    |                |
| * <i>Fuirena</i> <u>SD.</u>                                                                                                                                                                                                                                                                                             |   |                            |   |                                                                                     |                |                                                                |   |   |   |    |                |
| <i>Fuirena scirpoidea</i>                                                                                                                                                                                                                                                                                               |   |                            |   |                                                                                     |                |                                                                |   |   |   |    |                |
| <i>Gordonia lasianthus</i>                                                                                                                                                                                                                                                                                              |   |                            |   |                                                                                     |                |                                                                |   |   |   |    |                |

20 33 43, 9  
85 57 55.2 Hydrilla

## FORM FD 9000-27: LAKE VEGETATION INDEX FIELD SHEET

| Site: <i>Lake Miccosukee</i>                   |   |   |   |    | Date: <i>8/20/2019</i> |                                                   |   |   |   |    |                |
|------------------------------------------------|---|---|---|----|------------------------|---------------------------------------------------|---|---|---|----|----------------|
| SPECIES                                        | 2 | 5 | 8 | 11 | Collected? (Y)         | SPECIES                                           | 2 | 5 | 8 | 11 | Collected? (Y) |
| Myriophyllum aquaticum                         |   |   |   |    |                        | Salix caroliniana                                 |   |   |   |    |                |
| *Myriophyllum heterophyllum                    |   |   |   |    |                        | Salvinia minima                                   |   |   |   |    |                |
| *Myriophyllum laxum                            |   |   |   |    |                        | Sambucus canadensis                               |   |   |   |    |                |
| *Myriophyllum pinnatum                         |   |   |   |    |                        | Sapium sebiferum                                  |   |   |   |    |                |
| Myriophyllum spicatum                          |   |   |   |    |                        | Saururus cernuus                                  |   |   |   |    |                |
| *Najas filifolia <i>yes AO</i>                 |   |   |   |    | ✓                      | Schinus terebinthifolius                          |   |   |   |    |                |
| *Najas guadalupensis                           |   |   |   |    |                        | *Schoenoplectus californicus                      |   |   |   |    |                |
| *Najas minor                                   |   |   |   |    |                        | *Schoenoplectus pungens                           |   |   |   |    |                |
| Nelumbo lutea                                  |   |   |   |    |                        | *Schoenoplectus tabernaemontani (Scirpus validus) |   |   |   |    |                |
| Nitella spp.                                   |   |   |   |    |                        | Scirpus cubensis (Oxycaryon cubense)              |   |   |   |    |                |
| Nuphar sp.                                     |   |   |   |    |                        | Scirpus cyperinus                                 |   |   |   |    |                |
| Nymphaea odorata                               |   |   |   |    |                        | *Sesbania <i>herbacea (yellow) not red</i>        |   |   |   |    |                |
| Nymphoides aquatica                            |   |   |   |    |                        | Solidago sp.                                      |   |   |   |    |                |
| Nyssa sylvatica var. biflora                   |   |   |   |    |                        | Sparganium americanum                             |   |   |   |    |                |
| Orontium aquaticum                             |   |   |   |    |                        | Spartina bakeri                                   |   |   |   |    |                |
| Osmunda cinnamomea                             |   |   |   |    |                        | Spirodela polyrhiza                               |   |   |   |    |                |
| Osmunda regalis                                |   |   |   |    |                        | Taxodium sp.                                      |   |   |   |    |                |
| Panicum hemitomon                              |   |   |   |    |                        | Thalia geniculata                                 |   |   |   |    |                |
| Panicum repens                                 |   |   |   |    |                        | Thelypteris palustris                             |   |   |   |    |                |
| Paspalidium geminatum                          |   |   |   |    |                        | Triadenum virginicum                              |   |   |   |    |                |
| *Paspalum repens                               |   |   |   |    |                        | Typha sp.                                         |   |   |   |    |                |
| Paspalum urvillei                              |   |   |   |    |                        | Urochloa mutica (Brachiaria mutica)               |   |   |   |    |                |
| Peltandra sp.                                  |   |   |   |    |                        | *Utricularia gibba (U. biflora)                   |   |   |   |    |                |
| Persea sp.                                     |   |   |   |    |                        | *Utricularia floridana                            |   |   |   |    |                |
| Pennisetum purpureum                           |   |   |   |    |                        | *Utricularia foliosa                              |   |   |   |    |                |
| Phragmites australis                           |   |   |   |    |                        | *Utricularia inflata                              |   |   |   |    |                |
| Pinus elliotii                                 |   |   |   |    |                        | *Utricularia purpurea                             |   |   |   |    |                |
| Pistia stratioides                             |   |   |   |    |                        | *Utricularia cornuta                              |   |   |   |    |                |
| Pluchea sp.                                    |   |   |   |    |                        | *Utricularia radiata                              |   |   |   |    |                |
| *Polygonum glabrum (densiflorum)               |   |   |   |    |                        | Vallisneria americana                             |   |   |   |    |                |
| *Polygonum hydropiperoides <i>sp AO</i>        |   |   |   |    | ✓                      | *Websteria confervoides                           |   |   |   |    |                |
| *Polygonum punctatum <i>hydroperoides</i>      |   |   |   |    |                        | Wedelia trilobata (Sphagneticola trilobata)       |   |   |   |    |                |
| *Polygonum                                     |   |   |   |    |                        | Wolffiella spp.                                   |   |   |   |    |                |
| Pontederia cordata                             |   |   |   |    |                        | Woodwardia virginica                              |   |   |   |    |                |
| *Potamogeton diversifolius                     |   |   |   |    |                        | Xyris sp.                                         |   |   |   |    |                |
| *Potamogeton illinoensis                       |   |   |   |    |                        | Zizania aquatica                                  |   |   |   |    |                |
| *Potamogeton pusillus                          |   |   |   |    |                        | Zizaniopsis milacea                               |   |   |   |    |                |
| *Potamogeton pectinatus (Stuckenia pectinatus) |   |   |   |    |                        |                                                   |   |   |   |    |                |
| Proserpinaca pectinata                         |   |   |   |    |                        |                                                   |   |   |   |    |                |
| *Rhexia                                        |   |   |   |    |                        |                                                   |   |   |   |    |                |
| *Rhynchospora cerniculata <i>microcephala</i>  |   |   |   |    | ✓                      |                                                   |   |   |   |    |                |
| *Rhynchospora inundata <i>AO</i>               |   |   |   |    |                        |                                                   |   |   |   |    |                |
| Rhynchospora <i>nitens</i>                     |   |   |   |    | ✓                      |                                                   |   |   |   |    |                |
| Ricciocarpus natans                            |   |   |   |    |                        |                                                   |   |   |   |    |                |
| Sabal palmetto                                 |   |   |   |    |                        |                                                   |   |   |   |    |                |
| Sacciolepis striata                            |   |   |   |    |                        |                                                   |   |   |   |    |                |
| *Sagittaria filiformis                         |   |   |   |    |                        |                                                   |   |   |   |    |                |
| *Sagittaria graminea                           |   |   |   |    |                        |                                                   |   |   |   |    |                |
| *Sagittaria isoetiformis                       |   |   |   |    |                        |                                                   |   |   |   |    |                |
| Sagittaria lancifolia                          |   |   |   |    |                        |                                                   |   |   |   |    |                |
| Sagittaria latifolia                           |   |   |   |    |                        |                                                   |   |   |   |    |                |

SITE NAME: Lake Miccosukee DATE: 8/20/19 TIME 1230 EST CST DEPTH: 0.1 ft (m) FIELD ID: MICCREP  
 (military)

| SAMPLING TEAM MEMBERS | WQ MEASUREMENTS | DOCUMENTATION | SAMPLE COLLECTION | PRESERVATION | PRESERVATION CHECK |
|-----------------------|-----------------|---------------|-------------------|--------------|--------------------|
| A O'Neal              | X               |               |                   | X            | X                  |
| S. Noble              |                 | X             | X                 |              |                    |
|                       |                 |               |                   |              |                    |
|                       |                 |               |                   |              |                    |

| SAMPLING EQUIPMENT                                   |                                                    |
|------------------------------------------------------|----------------------------------------------------|
| <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Tubing type: _____        |
| <input type="checkbox"/> Pole                        | <input type="checkbox"/> Other _____               |
| <input type="checkbox"/> Pump ID#: _____             | <input type="checkbox"/> Other _____               |
| WATER QUALITY MEASUREMENTS                           |                                                    |
| Instrument ID: <u>154185</u>                         |                                                    |
| COLLECTION MODE                                      |                                                    |
| <input type="checkbox"/> Wading                      | <input checked="" type="checkbox"/> Via Boat       |
| <input type="checkbox"/> Diving                      | <input type="checkbox"/> Canoe                     |
| <input type="checkbox"/> From Shore                  | <input type="checkbox"/> Electric Motor            |
| <input type="checkbox"/> Other                       | <input checked="" type="checkbox"/> Gasoline Motor |

| Parameter Suite                | Parameter(s)/Method                                                                                                                                                                                                                                                                                                                                                                                                                                 | Matrix Code* | Preservation**                                                                                             | Preservative Lot # | pH Check                               | # Bottles *** |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------------------------------|--------------------|----------------------------------------|---------------|
| Preserved Nutrients            | <input checked="" type="checkbox"/> TKN <input checked="" type="checkbox"/> TP <input checked="" type="checkbox"/> NOx <input checked="" type="checkbox"/> NH3 <input type="checkbox"/> TOC <input type="checkbox"/> Total N<br><input type="checkbox"/> Other: _____                                                                                                                                                                               | S W          | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> |                    | <input checked="" type="checkbox"/> <2 | 1             |
| Filtered Nutrients             | <input checked="" type="checkbox"/> OP <input type="checkbox"/> Other: _____                                                                                                                                                                                                                                                                                                                                                                        | S W          | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> .45 um Filter                  |                    |                                        | 1             |
| Unpreserved Nutrients          | <input type="checkbox"/> NO <sub>2</sub> <input type="checkbox"/> NO <sub>3</sub> <input type="checkbox"/> SO <sub>4</sub> <input type="checkbox"/> Other: _____                                                                                                                                                                                                                                                                                    | W            | <input type="checkbox"/> Ice                                                                               |                    |                                        |               |
| Physical/Aggregate Properties  | <input type="checkbox"/> TDS <input type="checkbox"/> TSS <input type="checkbox"/> TS <input type="checkbox"/> Turbidity <input checked="" type="checkbox"/> Alk <input checked="" type="checkbox"/> Color<br><input checked="" type="checkbox"/> Other: <u>Cl F 404</u>                                                                                                                                                                            | S W          | <input checked="" type="checkbox"/> Ice                                                                    |                    |                                        | 1             |
| Chlorophyll                    | <input checked="" type="checkbox"/> CHL-PPTN-W                                                                                                                                                                                                                                                                                                                                                                                                      | S W          | <input checked="" type="checkbox"/> Ice                                                                    |                    |                                        | 1             |
| BOD                            | <input type="checkbox"/> BOD-INHB <input type="checkbox"/> BOD-UNIN                                                                                                                                                                                                                                                                                                                                                                                 | W            | <input type="checkbox"/> Ice                                                                               |                    |                                        |               |
| Microbiology                   | MF: <input type="checkbox"/> E coli <input type="checkbox"/> T Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Entero <input type="checkbox"/> F Strep                                                                                                                                                                                                                                                                                | W            | <input type="checkbox"/> Ice                                                                               |                    |                                        |               |
| Macroinvertebrates             | <input type="checkbox"/> MI-FW-QLDC <input type="checkbox"/> MI-FW-QLBR <input type="checkbox"/> MI-FW-QNNC<br><input type="checkbox"/> MI-MN-QNNC                                                                                                                                                                                                                                                                                                  | W            | <input type="checkbox"/> Formalin                                                                          |                    |                                        |               |
| Phytoplankton                  | <input checked="" type="checkbox"/> PKD-QN-C <input checked="" type="checkbox"/> DTY-QN-C                                                                                                                                                                                                                                                                                                                                                           | S W          | <input type="checkbox"/> Lugol's                                                                           |                    |                                        | 1             |
| Periphyton                     | <input type="checkbox"/> PRN-QL-C <input type="checkbox"/> DTM-QL-C <input type="checkbox"/> PRN-QN-C <input type="checkbox"/> DTM-QN-C                                                                                                                                                                                                                                                                                                             | W            | <input type="checkbox"/> Formalin                                                                          |                    |                                        |               |
| AGP                            | <input type="checkbox"/> AA-AGP <input type="checkbox"/> AA-LIM-NUT                                                                                                                                                                                                                                                                                                                                                                                 | W            | <input type="checkbox"/> Ice                                                                               |                    |                                        |               |
| Metals                         | <input checked="" type="checkbox"/> W-ICP <input type="checkbox"/> W-FIAS <input checked="" type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP-Tr                                                                                                                                                                                                                                                                                             | S W          | <input checked="" type="checkbox"/> HNO <sub>3</sub>                                                       |                    | <input checked="" type="checkbox"/> <2 | 1             |
| Filtered Metals                | <input type="checkbox"/> W-ICP-F <input type="checkbox"/> W-FIAS-F <input type="checkbox"/> W-ICPMS-F <input type="checkbox"/> W-ICP-Tr-F                                                                                                                                                                                                                                                                                                           | W            | <input type="checkbox"/> HNO <sub>3</sub> <input type="checkbox"/> .45 um Filter                           |                    | <input type="checkbox"/> <2            |               |
| Mercury                        | <input type="checkbox"/> W-HG-AF                                                                                                                                                                                                                                                                                                                                                                                                                    | W            |                                                                                                            |                    |                                        |               |
| BaseNeutral / Acid Extractable | <input type="checkbox"/> W-BNA <input type="checkbox"/> W-AE <input type="checkbox"/> W-BN <input type="checkbox"/> W-PAH<br><input type="checkbox"/> W-FL-PRO <input type="checkbox"/> W <input type="checkbox"/> Other: _____                                                                                                                                                                                                                     | W            | <input type="checkbox"/> Ice                                                                               |                    |                                        |               |
| Pesticides                     | <input type="checkbox"/> W-PEST-CL <input type="checkbox"/> W-PCB <input type="checkbox"/> W-PEST-NP <input type="checkbox"/> W-PSCL-PCB<br><input type="checkbox"/> W-NP-AA-SF <input type="checkbox"/> W-PC-AA-SF <input type="checkbox"/> W-PSHRB-NP<br><input type="checkbox"/> W-SLFN-UREA <input type="checkbox"/> W-SULFN-LC <input type="checkbox"/> Other: _____<br><input type="checkbox"/> W-ACIDHERB<br><input type="checkbox"/> W-CARB | W            | <input type="checkbox"/> Ice                                                                               |                    |                                        |               |
| Purgeables                     | <input type="checkbox"/> W-VOC-MS<br><input type="checkbox"/> W-VOC-MS-A                                                                                                                                                                                                                                                                                                                                                                            | W            | <input type="checkbox"/> Ice <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub>                       |                    |                                        |               |
| Bioassay                       | Specify Test: _____                                                                                                                                                                                                                                                                                                                                                                                                                                 | W            | <input type="checkbox"/> Ice                                                                               |                    |                                        |               |
| OTHER                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                     | W            | <input type="checkbox"/> Other: _____                                                                      |                    |                                        |               |

 Notes: HNO<sub>3</sub> #101246 exp. 8/10/20  
H<sub>2</sub>SO<sub>4</sub> #101232 exp. 10/13/19

Use one line for each set of sample (as supplied by the laboratory) containers. Use separate sheet for field or laboratory duplicate or blank or different water depth

Enter "S" for surface if collected at a depth less than or equal to 1 foot

Matrix Codes (Insert prefix): SW = Surface Water GW = Groundwater DW = Drinking Water WW = Wastewater O = Other: \_\_\_\_\_

PRESERVATIVES: 1 ml added unless otherwise noted

\*Enter number of containers supplied by the laboratory for the test (e.g., 3 for volatile organics, etc.)

## DEP Bureau of Laboratories Water Sample Collection Record

(Use with FDEP SOP-001/01 Form FD 9000-3 Physical/Chemical Characterization Field Sheet)